

Year 9 F	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Topic/Theme/Focus	<p>In this unit students will become confident working with fractions, decimals and percentages.</p> <p>They will learn fundament knowledge such as: Adding and subtracting simple fractions. Finding a fraction of a quantity. Multiplying fractions by fractions. Dividing a whole number by a fraction. Dividing a fraction by a whole number or fraction. Converting between fractions/decimals and percentages. Finding percentages of amounts.</p>	<p>In this unit students will deepen their understanding of probability.</p> <p>They will learn fundamental knowledge such as: Calculating simple probabilities. Use the addition law for mutually exclusive events Using tables to list the outcomes of events. Use relative frequency.</p>	<p>In this unit students will further develop their understanding of number.</p> <p>They will learn fundamental knowledge such as: Using priority of operations. Use inverse calculations Round to a given number of decimal places and significant figures. Add and subtract negative numbers. Find factors and HCF. List multiples and LCM. Use index notation.</p>	<p>In this unit students will build on their knowledge of algebra from KS3.</p> <p>They will learn fundamental skills such as: Understanding what expression and term means. Simplifying algebraic expressions. Simplifying algebraic products and quotients. Use function machines with algebra. Substitute positive and negative numbers into expressions. Expand a single bracket Solve simple equations</p>	<p>In this unit students will develop their understanding of angles and triangles.</p> <p>They will learn fundamental knowledge such as: Knowing the terms acute, obtuse, right angle and reflex. Use standard convention for labelling angles and sides. Solve angle problems in triangles. Understand and use angle properties in parallel sides. Find missing angles using corresponding, alternate and co-interior. Name quadrilaterals.</p>	<p>In this unit students will build on their knowledge of Linear graphs.</p> <p>They will learn fundamental knowledge such as: Plotting straight lines graphs parallel to the x and y axis. Generate and plot coordinates. Plot straight line graphs using a table of values.</p>
Corbett Maths Videos	121-141, 142-146, 234, 235, 238, 239	244-253, 380	211-214, 216, 218-220, 222-229, 278, 279a, 300-303	9, 13, 18, 19, 20, 110, 113, 115, 117	25, 28 – 35, 37 – 39, 231, 257	186, 187, 189, 190, 192, 193, 194, 195, 196, 198
Key vocabulary	Numerator Denominator Reciprocal Multiplier	Mutually exclusive, Exhaustive, Independent, Relative frequency	Index, product, Factor, Multiple, Inverse	Expression, Term, Substitute, Solve, Quotient	Edge, Vertices, Alternate, Corresponding, Co-interior, Hypotenuse	Parallel, Coordinate, Gradient, Intercept